**README**

**Project Title:** File Permissions Management – Linux Security Controls

**Scenario:**As part of a research team within a large organization, the task was to ensure that all users had appropriate authorization levels for sensitive directories and files. Unauthorized access could compromise data integrity and system security.

**Objective:**Identify and correct improper file and directory permissions to align with the principle of least privilege.

**Environment/Tools:**Linux CLI (ls -la, chmod, umask)

**Methodology:**

* Reviewed existing file and directory permissions to identify overexposed or incorrect access levels.
* Interpreted Linux permission strings to understand user, group, and other privileges.
* Modified permissions with chmod to remove unauthorized write or execute access.
* Verified changes across hidden and standard files to ensure full compliance.

**Key Results:**

* Removed unnecessary write access for unauthorized users.
* Secured sensitive research directories.
* Improved overall compliance with organizational security policy.

**Skills Demonstrated:**

Linux administration

Access control

Security hardening

Authorization policy enforcement